#### FIG. 1A

	GAZ	<u> TTC</u> TCTGGAC	TGAGGCTCCAGT	TCTGGCCTTTGGGG						
TTCAAGATCACTGGGACCAGGCCGTGATCTCTATGCCCGAGTCTCAACCCTCAACTGTC										
ACCCCAAGGCA	CTTGGGACGTC	CTGGACAGACC	GAGTCCCGGGAA	GCCCAGCACTGCC						
GCTGCCACACT	GCCCTGAGCCC	AATGGGGAG		** AG CTG TCT GGC						
S1 Met Gly Leu ATG GGC CTC 216	S5 Ser Thr Val TCC ACC GTG 225	. Pro Asp L CCT GAC C 234	S10 eu Leu Leu Pr TG CTG CTG CC 243	S15 TO Leu Val Leu CA CTG GTG CTC 252						
Leu Glu Leu CTG GAG CTG 261	S20 Leu Val Gly TTG GTG GGA 270	Ile Tyr P ATA TAC C 279	S25 TO Ser Gly Va CC TCA GGG G 288	S29 1 al Ile Gly Leu TT ATT GGA CTG 297						
Val Pro His GTC CCT CAC 306	5 Leu Gly Asp CTA GGG GAC 315	Arg Glu L	10 ys Arg Asp Se AG AGA GAT AG 333	15 er Val Cys Pro GT GTG TGT CCC 342						
Gln Gly Lys CAA GGA AAA 351	20 Tyr Ile His TAT ATC CAC 360	Pro Gln A	25 sn Asn Ser Il AT AAT TCG AT 378	30 e Cys Cys Thr T TGC TGT ACC 387						
Lys Cys His AAG TGC CAC 396	35 Lys Gly Thr AAA GGA ACC 405	Tyr Leu T	40 yr Asn Asp Cy AC AAT GAC TG 423	45 s Pro Gly Pro T CCA GGC CCG 432						
Gly Gln Asp GGG CAG GAT 441	50 Thr Asp Cys ACG GAC TGC 450	Arg Glu Cy	55 ys Glu Ser Gl ST GAG AGC GG 468	60 y Ser Phe Thr C TCC TTC ACC 477						
Ala Ser Glu GCT TCA GAA 486	65 Asn His Leu AAC CAC CTC 495	Arg His Cy	70 ys Leu Ser Cy GC CTC AGC TG 513	75 s Ser Lys Cys C TCC AAA TGC 522						
Arg Lys Glu CGA AAG GAA 531	80 Met Gly Gln ATG GGT CAG 540	Val Glu Il	35 Le Ser Ser Cy TC TCT TCT TG 558	90 s Thr Val Asp C ACA GTG GAC 567						

# FIG. 1B

Arg Asp CGG GAC 576	Thr	95 Val Cys GTG TGT 585	Gly GGC	Cys Arg TGC AGG 594	100 Lys AAG	Asn Gln	Tyr TAC	105 Arg His CGG CAT 612	Tyr
				Gln Cys CAG TGC 639		Asn Cys			
				Ser Cys TCC TGC 684					
				Phe Phe TTC TTT 729					
Ser Cys TCC TGT 756	Ser AGT	155 Asn Cys AAC TGT 765	Lys AAG	Lys Ser AAA AGC 774	160 Leu CTG	Glu Cys GAG TGC 783	Thr ACG	165 Lys Leu AAG TTG 792	Cys TGC
				Val Lys GTT AAG 819					
Thr Val ACA GTG 846	Leu CTG	185 Leu Pro TTG CCC 855	Leu CTG	Val Ile GTC ATT 864	190 Phe TTC	Phe Gly TTT GGT 873	Leu CTT	195 Cys Leu TGC CTT 882	Leu TTA
Ser Leu TCC CTC 891	Leu CTC	200 Phe Ile TTC ATT 900	Gly GGT	Leu Met TTA ATG 909	205 Tyr TAT	Arg Tyr CGC TAC 918	Gln CAA	210 Arg Trp CGG TGG 927	Lys AAG
Ser Lys TCC AAG 936	Leu CTC	215 Tyr Ser TAC TCC 945	Ile ATT	Val Cys GTT TGT 954	220 Gly GGG	Lys Ser AAA TCG 963	Thr ACA	225 Pro Glu CCT GAA 972	Lys AAA
Glu Gly GAG GGG 981	Glu GAG	230 Leu Glu CTT GAA 990	Gly GGA	Thr Thr ACT ACT 999	235 Thr ACT	Lys Pro AAG CCC 1008	Leu CTG	240 Ala Pro GCC CCA 1017	Asn AAC

## FIG. 1C

Pro Ser CCA AGO 1026	TTC	245 Ser AGT 103	CCC	ACT	CCA	Gly GGC 44	TTC	Thr ACC	CCC	ACC	Leu CTG	GGC	Phe TTC
Ser Pro	GTG		AGT	TCC	ACC		Thr	TCC	Ser AGC	TCC		TĀT	
Pro Gly CCC GGT 1116	' GAC	275 Cys TGT 112	CCC	AAC	TTT	GCG	Ala GCT	CCC	Arg CGC	AGA	GAG	GTG	Ala GCA
Pro Pro CCA CCC 1161	TAT	CAG	Gly GGG	Ala GCT	Asp GAC	Pro CCC 79	Ile ATC	Leu CTT	Ala GCG	Thr ACA	Ala GCC 119	CTC	Ala GCC
Ser Asr TCC GAO 1206	ccc	ATC	CCC	Asn AAC	Pro CCC	CTT	CAG	Lys AAG	TGG	GAG	GAC	AGC	Ala GCC
His Lys CAC AAG 1251	CCA		AGC	CTA	GAC	ACT	Asp	GAC	Pro CCC	Ala		CTG	
Ala Val GCC GTG 1296	GTG	GAG	AAC	GTG	CCC	Pro CCG	TTG	CGČ	TGG	AA C	GAA1 1332		

FIG. 2

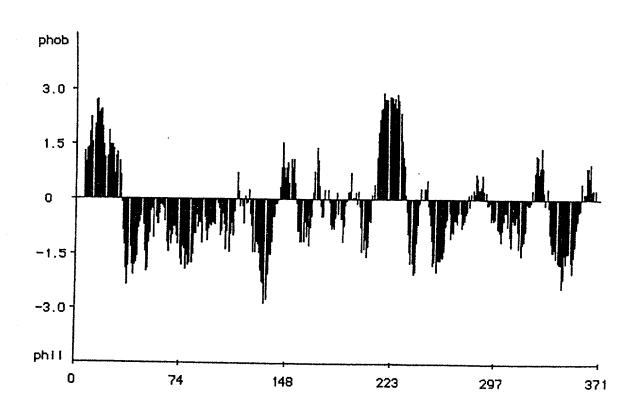


FIG. 3A

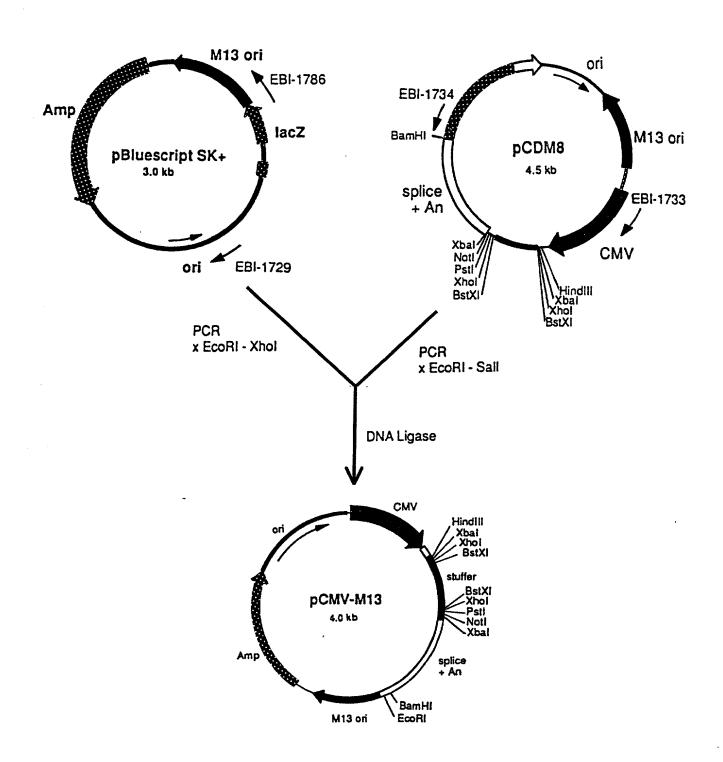
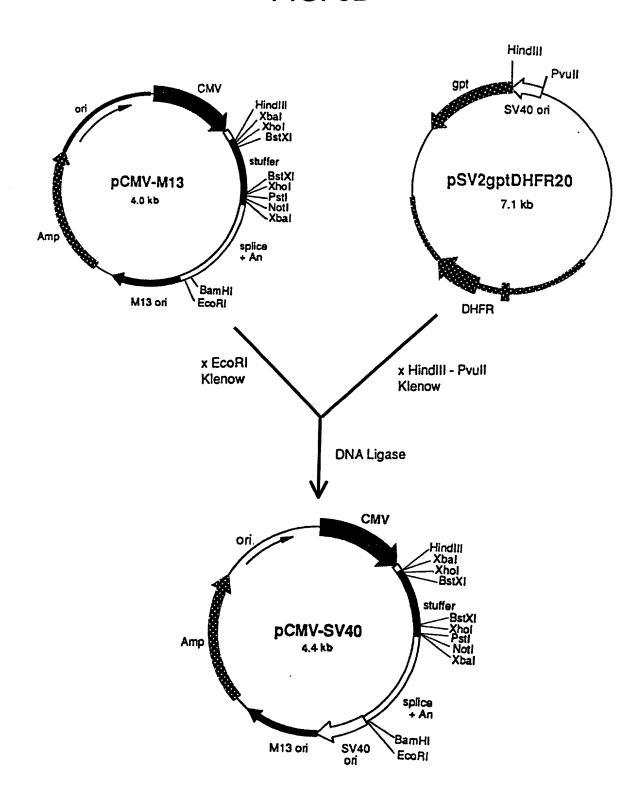
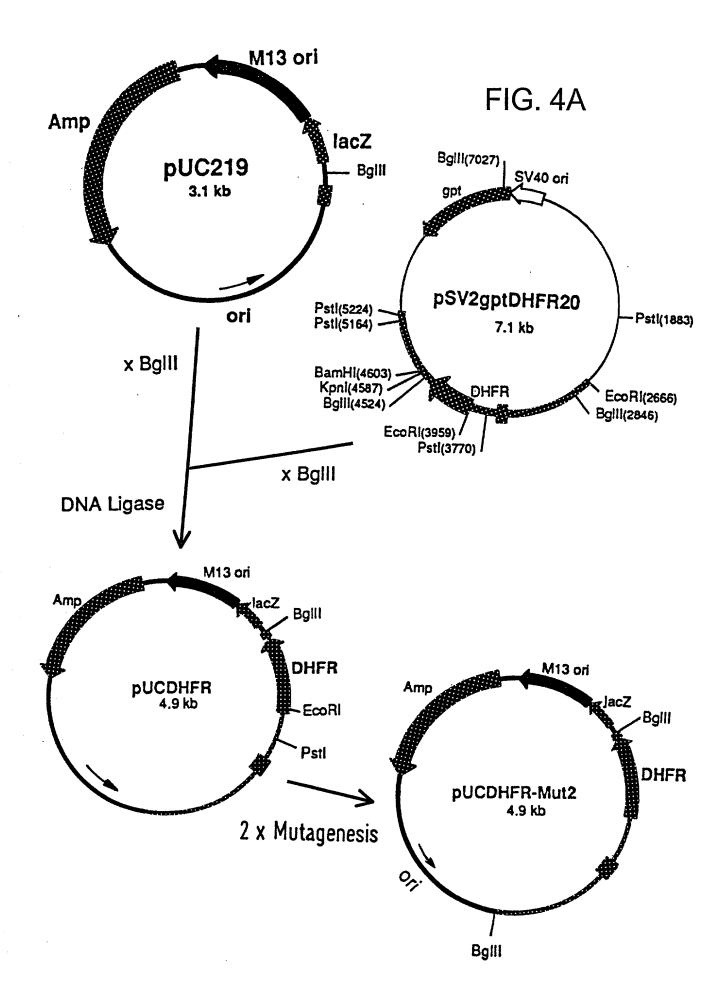
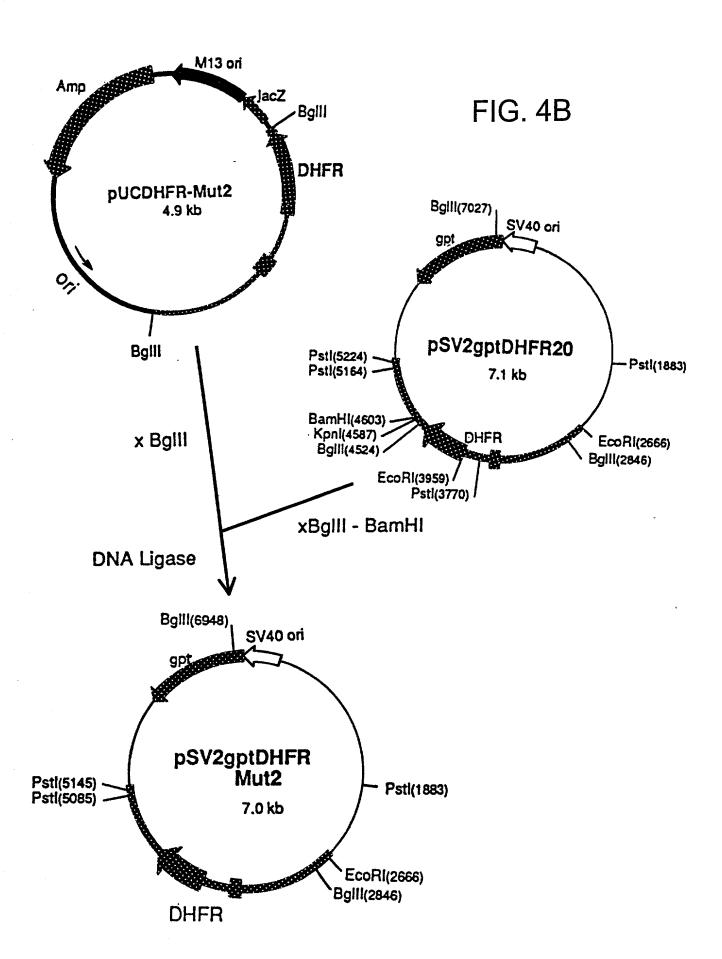
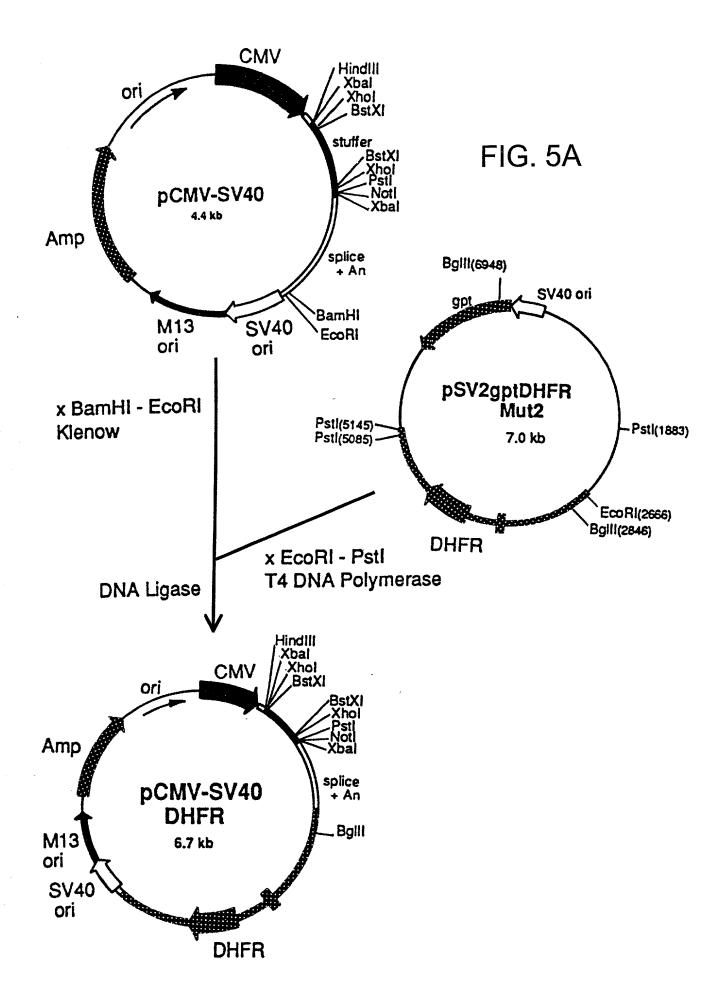


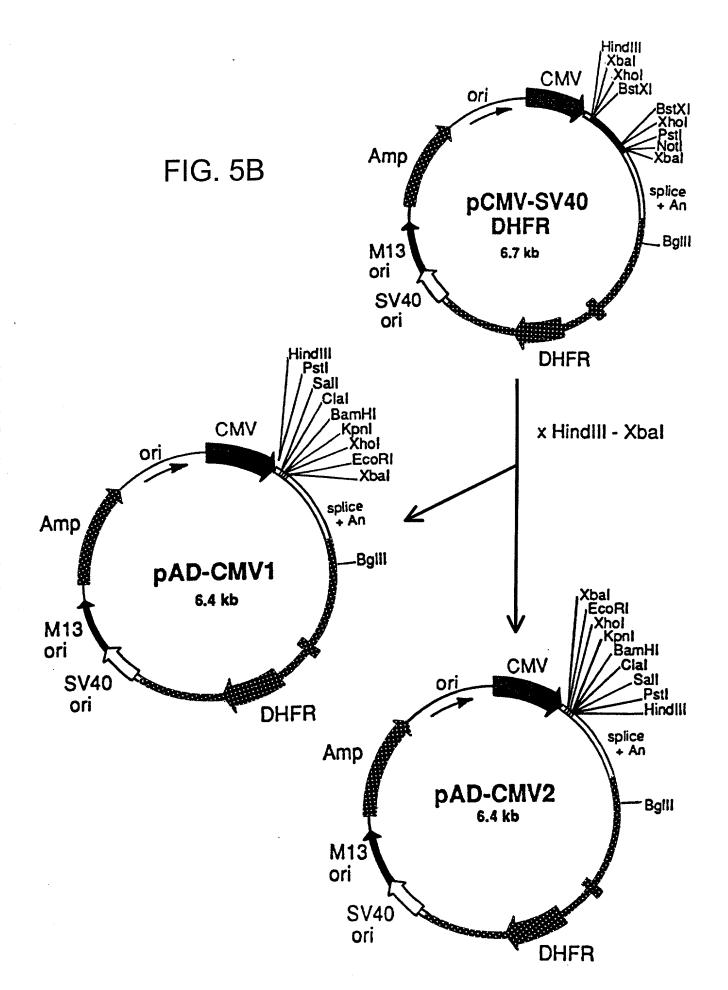
FIG. 3B











#### FIG. 6A

pAD-CMV1 : 6414 bp

	TCGACATTGA	A TTATTGACTA	GTTATTAATA	GTAATCAATI	ACGGGGTCAT	TAGTTCATAG	60
	CCCATATATO	GAGTTCCGCG	TTACATAACT	TACGGTAAAT	GGCCGCCTG	GCTGACCGCC	120
,	CAACGACCC	CGCCCATTGA	CGTCAATAAT	GACGTATGTT	CCCATAGTAA	CGCCAATAGG	180
	GACTTTCCAT	TGACGTCAAT	GGGTGGAGTA	TTTACGGTAA	ACTGCCCACT	TGGCAGTACA	240
	TCAAGTGTAT	CATATGCCAA	GTACGCCCCC	TATTGACGTC	AATGACGGTA	AATGGCCCGC	300
ı	CTGGCATTAT	GCCCAGTACA	TGACCTTATG	GGACTTTCCT	ACTTGGCAGT	ACATCTACGT	360
•	ATTAGTCATC	GCTATTACCA	TGGTGATGCG	GTTTTGGCAG	TACATCAATG	GGCGTGGATA	420
(	GCGGTTTGAC	TCACGGGGAT	TTCCAAGTCT	CCACCCATT	GACGTCAATG	GGAGTTTGTT	480
•	ITGGCACCAA	AATCAACGGG	ACTTTCCAAA	ATGTCGTAAC	AACTCCGCCC	CATTGACGCA	540
i	AATGGGCGGT	AGGCGTGTAC	GGTGGGAGGT	CTATATAAGC	AGAGCTCTCT	GGCTAACTAG	600
2	AGAACCCACT	GCTTAACTGG	CTTATCGAAA	TTAATACGAC	TCACTATAGG	GAGACCCAAG	<sub>.</sub> 660
(	CTTCTGCAGG	TCGACATCGA	TGGATCCGGT	ACCTCGAGCG	CGAATTCTCT	AGAGGATCTT	720
7	GTGAAGGAA	CCTTACTTCT	GTGGTGTGAC	ATAATTGGAC	AAACTACCTA	CAGAGATTTA	780
P	LAGCTCTAAG	GTAAATATAA	AATTTTTAAG	TGTATAATGT	GTTAAACTAC	TGATTCTAAT	840
7	GTTTGTGTA	TTTTAGATTC	CAACCTATGG	AACTGATGAA	TGGGAGCAGT	GGTGGAATGC	900
C	TTTAATGAG	GAAAACCTGT	TTTGCTCAGA	AGAAATGCCA	TCTAGTGATG	ATGAGGCTAC	960
1	GCTGACTCT	CAACATTCTA	CTCCTCCAAA	AAAGAAGAGA	AAGGTAGAAG	ACCCCAAGGA	1020
С	TTTCCTTCA	GAATTGCTAA	GTTTTTTGAG	TCATGCTGTG	TTTAGTAATA	GAACTCTTGC	1080
T	TGCTTTGCT	ATTTACACCA	CAAAGGAAAA	AGCTGCACTG	CTATACAAGA	Aaattatgga	1140
A	AAATATTTG	ATGTATAGTG	CCTTGACTAG	AGATCATAAT	CAGCCATACC	ACATTTGTAG	1200
A	GGTTTTACT	TGCTTTAAAA	AACCTCCCAC	ACCTCCCCT	GAACCTGAAA	CATAAAATGA	1260
Α	TGCAATTGT	TGTTGTTAAC	TTGTTTATTG	CAGCTTATAA	TGGTTACAAA	TAAAGCAATA	1320
G	CATCACAAA	TTTCACAAAT	AAAGCATTTT	TTTCACTGCA	TTCTAGTTGT	GGTTTGTCCA	1380
A	ACTCATCAA	TGTATCTTAT	CATGTCTGGA	TCAATTCTGA	GAAACTAGCC	TTAAAGACAG	1440

#### FIG. 6B

ACAGCTTTG	T TCTAGTCAGC	CAGGCAAGCA	A TATGTAAAT	A AAGTTCCTC	A GGGAACTGAG	1500
GTTAAAAGA	T GTATCCTGGA	CCTGCCAGAC	CTGGCCATT	C ACGTAAACA	AAGATTCCGC	1560
CTCAAGTTC	C GGTTAACAAC	AGGAGGCAAC	GAGATCTCA	A ATCTATTAC:	TCTAATCGGG	1620
TAATTAAAA	C CTTTCAACTA	AAACACGGAC	CCACGGATG	CACCCACTT	TCCTTCCCG	1680
GCTCCGCCC	I TCTCAGTACT	CCCCACCATT	AGGCTCGCT	A CTCCACCTCC	ACTTCCGGGC	1740
GCGACACCC	A CGTGCCCTCT	CCCACCCGAC	GCTAACCCCG	CCCCTGCCCG	TCTGACCCCG	1800
CCCACCACC:	r eeccceccc	CGTTGAGGAC	AGAAGAAACC	CCGGGCAGCC	GCAGCCAAGG	1860
CGGACGGGTI	A GACGCTGGGG	GCGCTGAGGA	GTCGTCCTCT	ACCTTCTCTG	CTGGCTCGGT	1920
GGGGGACGC	GTGGATCTCA	GGCTTCCGGA	AGACTGGAAG	AACCGGCTCA	GAACCGCTTG	1980
TCTCCGCGG	GCTTGGGCGG	CGGAAGAATG	GCCGCTAGAC	GCGGACTTGG	TGCGAGGCAT	2040
CGCAGGATGO	AGAAGAGCAA	GCCCGCCGGG	AGCGCGCGC	TGTACTACCC	CGCGCCTGGA	2100
GCGGCCACGC	CGGACTGGGC	GGGCCGGCC	TGGTGGAGGC	GGAGTCTGAC	CTCGTGGAGG	2160
CGGGGCCTCT	GATGTTCAAA	TAGGATGCTA	GGCTTGTTGA	GGCGTGGCCT	CCGATTCACA	2220
AGTGGGAAGC	AGCGCCGGGC	GACTGCAATT	TCGCGCCAAA	CTTGGGGGAA	GCACAGCGTA	2280
CAGGCTGCCT	AGGTGATCGC	TGCTGCTGTC	ATGGTTCGAC	CGCTGAACTG	CATCGTCGCC	2340
GTGTCCCAGA	ATATGGGCAT	CGGCAAGAAC	GGAGACCTTC	CCTGGCCAAT	GCTCAGGTAC	2400
TGGCTGGATT	GGGTTAGGGA	AACCGAGGCG	GTTCGCTGAA	TCGGGTCGAG	CACTTGGCGG	2460
AGACGCGCGG	GCCAACTACT	TAGGGACAGT	CATGAGGGGT	AGGCCCGCCG	GCTGCTGCCC	2520
TTGCCCATGC	CCGCGGTGAT	CCCCATGCTG	TGCCAGCCTT	TGCCCAGAGG	CGCTCTAGCT	2580
GGGAGCAAAG	TCCGGTCACT	GGGCAGCACC	ACCCCCGGA	CTTGCATGGG	TAGCCGCTGA	2640
GATGGAGCCT	GAGCACACGT	GACAGGGTCC (	CTGTTAACGC	AGTGTTTCTC	TAACTTTCAG	2700
GAACGAGTTC	AAGTACTTCC I	AAAGAATGAC (	CACCACCTCC	TCAGTGGAAG	GTAAACAGAA	2760
CCTGGTGATT	ATGGGCCGGA	AAACCTGGTT (	CTCCATTCCT	GAGAAGAATC	GACCTTTAAA	2820
GGACAGAATT	AATATAGTTC	rcagtagaga (	GCTCAAGGAA	CCACCACAAG	GAGCTCATTT	2880
TCTTGCCAAA	AGTCTGGACC 1	ATGCCTTAAA 1	ACTTATTGAA	CAACCAGAGT	TAGCAGATAA	2940
AGTGGACATG	GTTTGGATAG 1	TTGGAGGCAG 1	TTCCGTTTAC	AAGGAAGCCA	TGAATCAGCC	3000

## FIG. 6C

AGGCCATCTC AGACTCTTTG TGACAAGGAT	r CATGCAGGA	A TTTGAAAGT	3 ACACGTTCTT	306
CCCAGAAATT GATTTGGAGA AATATAAACT	TCTCCCAGA	G TACCCAGGG	TCCTTTCTGA	312
AGTCCAGGAG GAAAAAGGCA TCAAGTATAA	ATTTGAAGT	C TATGAGAAGA	AAGGCTAACA	318
GAAAGATACT TGCTGATTGA CTTCAAGTTC	TACTGCTTTC	C CTCCTAAAA	TATGCATTTT	324
TACAAGACCA TGGGACTTGT GTTGGCTTTA	GATCCTGTG	C ATCCTGGGC	ACTGTTGTAC	330
TCTAAGCCAC TCCCCAAAGT CATGCCCCAG	CCCCTGTATA	A ATTCTAAAC	ATTAGAATTA	336
TTTTCATTTT CATTAGTCTA ACCAGGTTAT	' ATTAAATAT	A CTTTAAGAA	CACCATTTGC	342
CATAAAGTTC TCAATGCCCC TCCCATGCAG	CCTCAAGTGC	G CTCCCCAGC	GATGCATAGG	348
GTAGTGTGT TACAAGAGAC CCCAAAGACA	TAGAGCCCC1	r gagagcatga	GCTGATATGG	354
GGGCTCATAG AGATAGGAGC TAGATGAATA	AGTACAAAGG	GCAGAAATGG	GTTTTAACCA	3600
GCAGAGCTAG AACTCAGACT TTAAAGAAAA	TTAGATCAAA	. GTAGAGACTG	AATTATTCTG	3660
CACATCAGAC TCTGAGCAGA GTTCTGTTCA	CTCAGACAGA	AAATGGGTAA	ATTGAGAGCT	3720
GGCTCCATTG TGCTCCTTAG AGATGGGAGC	AGGTGGAGGA	TTATATAAGG	TCTGGAACAT	3780
TTAACTTCTC CGTTTCTCAT CTTCAGTGAG				3840
GTGTGTCAGT TAGGGTGTGG AAAGTCCCCA				3900
ATGCATCTCA ATTAGTCAGC AACCAGGTGT				3960
AGTATGCAAA GCATGCATCT CAATTAGTCA	GCAACCATAG	TCCCGCCCCT	AACTCCGCCC	4020
ATCCCGCCC TAACTCCGCC CAGTTCCGCC	CATTCTCCGC	CCCATGGCTG	ACTAATTTTT	4080
TTTATTTATG CAGAGGCCGA GGCGCCTCTG	AGCTATTCCA	GAAGTAGTGA	GGAGGCTTTT	4140
TTGGAGGCCT AGGCTTTTGC AAAAAAGCTA	ATTCAGCCTG	AATGGCGAAT	GGGACGCGCC	4200
CTGTAGCGGC GCATTAAGCG CGGCGGGTGT	GGTGGTTACG	CGCAGCGTGA	CCGCTACACT	4260
TGCCAGCGCC CTAGCGCCCG CTCCTTTCGC	TTTCTTCCCT	TCCTTTCTCG	CCACGTTCGC	4320
CGGCTTTCCC CGTCAAGCTC TAAATCGGGG (	GCTCCCTTTA	GGGTTCCGAT	TTAGTGCTTT	4380
ACGGCACCTC GACCCCAAAA ACTTGATTAG	GGTGATGGTT	CACGTAGTGG	GCCATCGCCC	4440
TGATAGACGG TTTTTCGCCC TTTGACGTTG	GAGTCCACGT	TCTTTAATAG	TGGACTCTTG	4500
TTCCAAACTG GAACAACACT CAACCCTATC	TCGGTCTATT	CTTTTGATTT	ATAAGGGATT	4560

## FIG. 6D

TTGCCGATTT CGGCCT.	ATTG GTTAAAAAA	r gagctgatti	r aacaaaati	TAACGCGAAT	4620
TTTAACAAAA TATTAA	CGTT TACAATTTC	A GGTGGCACTT	TTCGGGGAAA	TGTGCGCGGA	4680
ACCCCTATTT GTTTAT	TTTT CTAAATACAT	r tcaaatatgi	ATCCGCTCAT	GAGACAATAA	4740
CCCTGATAAA TGCTTC	AATA ATATTGAAA	A AGGAAGAGTA	TGAGTATTCA	ACATTTCCGT	4800
GTCGCCCTTA TTCCCT	TTTT TGCGGCATTT	TGCCTTCCTG	TTTTTGCTCA	CCCAGAAACG	4860
CTGGTGAAAG TAAAAGA	ATGC TGAAGATCAG	TTGGGTGCAC	GAGTGGGTTA	CATCGAACTG	4920
GATCTCAACA GCGGTAA	AGAT CCTTGAGAGT	TTTCGCCCCG	AAGAACGTTT	TCCAATGATG	4980
AGCACTTTTA AAGTTCT	IGCT ATGTGGCGCG	GTATTATCCC	GTATTGACGC	CGGGCAAGAG	5040
CAACTCGGTC GCCGCAT	FACA CTATTCTCAG	AATGACTTGG	TTGAGTACTC	ACCAGTCACA	5100
GAAAAGCATC TTACGGA	ATGG CATGACAGTA	AGAGAATTAT	GCAGTGCTGC	CATAACCATG	5160
AGTGATAACA CTGCGGC	CAA CTTACTTCTG	ACAACGATCG	GAGGACCGAA	GGAGCTAACC	5220
GCTTTTTTGC ACAACAT	GGG GGATCATGTA	ACTCGCCTTG	ATCGTTGGGA	ACCGGAGCTG	5280
AATGAAGCCA TACCAAA	CGA CGAGCGTGAC	ACCACGATGC	CTGTAGCAAT	GGCAACAACG	5340
TTGCGCAAAC TATTAAC	TGG CGAACTACTT	ACTCTAGCTT	CCCGGCAACA	ATTAATAGAC	5400
TGGATGGAGG' CGGATAA	AGT TGCAGGACCA	CTTCTGCGCT	CGGCCCTTCC	GGCTGGCTGG	5460
TTTATTGCTG ATAAATC	TGG AGCCGGTGAG	CGTGGGTCTC	GCGGTATCAT	TGCAGCACTG	5520
GGGCCAGATG GTAAGCC	CTC CCGTATCGTA	GTTATCTACA	CGACGGGGAG	TCAGGCAACT	5580
ATGGATGAAC GAAATAG	ACA GATCGCTGAG	ATAGGTGCCT	CACTGATTAA	GCATTGGTAA	5640
CTGTCAGACC AAGTTTAG	CTC ATATATACTT	TAGATTGATT	TAAAACTTCA	TTTTAATTT	5700
AAAAGGATCT AGGTGAAG	GAT CCTTTTTGAT	AATCTCATGA	CCAAAATCCC	TTAACGTGAG	5760
TTTTCGTTCC ACTGAGCO	GTC AGACCCCGTA	GAAAAGATCA	AAGGATCTTC	TTGAGATCCT	5820
TTTTTTCTGC GCGTAATO	CTG CTGCTTGCAA	ACAAAAAAAC	CACCGCTACC	AGCGGTGGTT	5880
TGTTTGCCGG ATCAAGAC	GCT ACCAACTCTT	TTTCCGAAGG	TAACTGGCTT	CAGCAGAGCG	5940
CAGATACCAA ATACTGTO	CCT TCTAGTGTAG	CCGTAGTTAG	GCCACCACTT	Caagaactct	6000
GTAGCACCGC CTACATAC	CCT CGCTCTGCTA	ATCCTGTTAC	CAGTGGCTGC	TGCCAGTGGC	6060
GATAAGTCGT GTCTTACC	GG GTTGGACTCA	AGACGATAGT	TACCGGATAA	GGCGCAGCGG	6120

## FIG. 6E

TCGGGCTGAA	CGGGGGGTTC	GTGCACACAG	CCCAGCTTGG	AGCGAACGAC	CTACACCGAA	6180
CTGAGATACC	TACAGCGTGA	GCATTGAGAA	AGCGCCACGC	TTCCCGAAGG	GAGAAAGGCG	6240
GACAGGTATC	CGGTAAGCGG	CAGGGTCGGA	ACAGGAGAGC	GCACGAGGGA	GCTTCCAGGG	6300
GGAAACGCCT	GGTATCTTTA	TAGTCCTGTC	GGGTTTCGCC	ACCTCTGACT	TGAGCGTCGA	6360
TTTTTGTGAT	GCTCGTCAGG	GGGGCGGAGC	CTATGGAAAA	ACGCCAGCAA	CGCC	

FIG. 7A

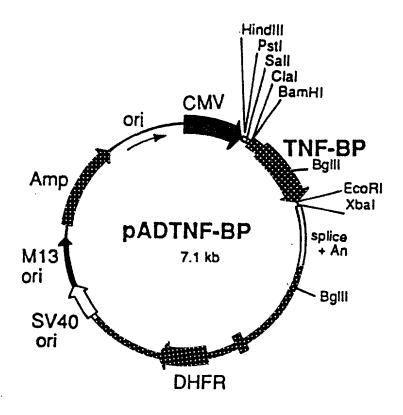


FIG. 7B

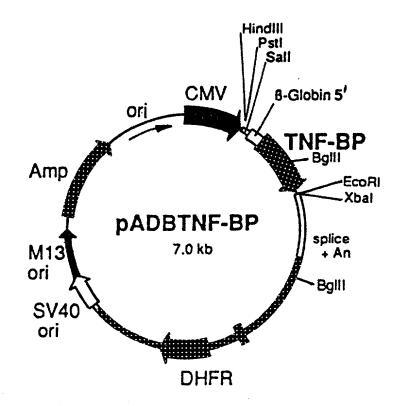


FIG. 7C

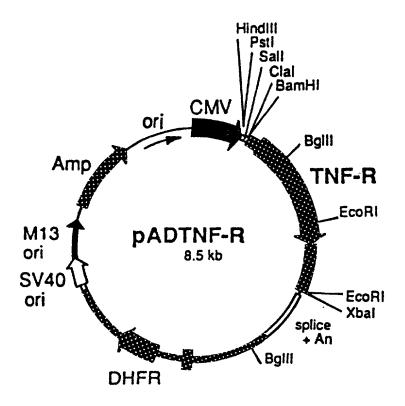
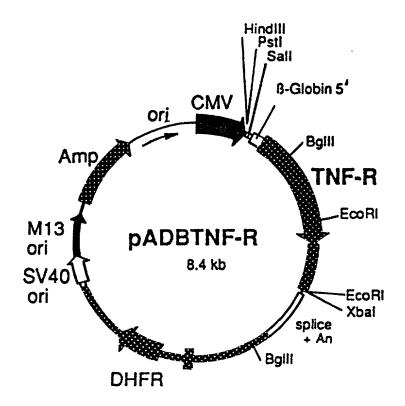


FIG. 7D



#### FIG. 8A

raTNF-R

AA' GG TT GG	TCCT GCTC GCCA	ggag, acgc	GAC	CAAC:	CCC !	ITCT( IGAT) CGGG( CCCA(	CAC	AT C	TACC:	CTG! SATC SGAG!	A CT	TTGA(	GCCT TTCA	TTC	AAC	CCG CCG	1: 1:	60 20 80 40	
		T (****	3 000	3 3000	- Cm/					273	5/11								
MICH	3 66	r Cro	2 000	ATO	GIC	e CC1	: GGC	CTC	CTO	CTO	F TC	I CTO	GTO	CTC	CIC	GCI	CTC	CIC	ATG
me i	E /23	λ res	1 Pro	) TTE	e val	r bro	GI3	Lei	Let	ı Let	ı Seı	r Lei	ı Val	Lev	Lei	ı Ala	Let	ı Let	Met
	5/21									335	3/31								
GGG	s ATA	A CAC	: 002	I TCA	i GGC	GTC	: ACC	GGZ	I CTG	GTI	CC3	TCI	CTI	GGI	GAC	CGG	GAC	AAC	AGG
GT	A ITO	e His	Pro	Sex	: G13	y Val	. Thi	: Gl	Lev	ı Val	. Pro	Ser	: Lev	ı Gly	' Asr	Arg	Gli	1 Lys	Arg
_ 363	5/4I									395	5/51								_
GA:	L AA	r TTC	i TGT	CCC	CAG	GGA	AAC	TAT	r GCC	CAI	CCA	AAC	CAA 3	'AAT	TCC	ATC	TGC	TG	ACC
ASI	O ASI	ra Lev	ı Cys	Pro	Gli	ı Gly	Lys	Ty	: Ala	His	Pro	Lys	s Asr	. Asn	Sei	: Ile	Cys	Cys	Thr
42:	5/61									455	71								
AAC	3 TGC	CAC	; AAA	L GGA	ACC	TAC	TTC	GTO	AG1	' GAC	TGT	CCA	A AGC	CCA	GGG	CAG	GAZ	ACA	GTC
Lys	Cy:	3 Hls	Lys	GT?	Thi	Туг	Lev	ı Val	. Ser	Asp	Cys	Pro	Ser	Pro	Gly	, Gln	Glu	Thi	: Val
	5/81	. omc								515	/91								
TGC	GAC	CTU	TCT	CAT	AAA	GGC	ACC	TTI	ACA	GCI	TCG	CAC	AAC	CAC	GTC	: AGA	CAG	G TG1	CTC
Cys	5/103	ı Let	ı ser	HIS	r rys	GIY	Thr	Phe	Thr	Ala	Ser	Glr	ı Asn	His	Val	. Arg	Gln	Cys	Leu
				m/cm			~			3/3	/111								
Car		. AAC	The		. CG0	, AAA	GAA	ATG	TTC	CAG	GTG	GAG	ATI	TCT	CCI	, IGC	AAA	GCI	GAC
505	. Cys 5/121	, пус	THE	Cys	Arg	глу	GIU	. Met	. Pne	GID	val	. GLu	Ile	Ser	Pro	Cys	Lys	Ala	Asp
			crec	י ייי		- mc-c	* * * * *			033	/131								
Mot	) Der	, noc	· t/al	C	C1+		Tara	Tang	AAC	CAA	TIC	CAG	CGC	TAC	CTG	AGT	GAG	ACG	CAT
665	/141	, 1111	val	. cys	GIY	Cys	rys	гЛЗ	ASI	GIN	/ne	GIN	Arg	Tyr	Leu	Ser	Glu	Thr	His
			GTC	GAC	THE C	n.c.c	ccc	mcc	mmc	095	/151								
Phe	Gln	Cva	Val	OAC CRA	Che	AGC	B~0	2.60	Dha	AAT	GGC	ACC	GIG	ACA	ATC	CCC	TGT	AAG	GAG Glu
725	/161	. 0,3	7 44 24	p	Cys	Ser	FIO	Cys	FILE	755	171/	Inr	vaı	Thr	TTE	Pro	Cys	Lys	Glu
			ACC	GTG	TGT	AAC	TGC	CAC	GCA	GGA	יייי יייי	արդու	ር ጥ አ	AGC	CCA	מו מ מ	C3.C	mcc	
Lys	Gln	Asn	Thr	Val	Cvs	Asn	Cvs	His	Ala	Glv	Phe	Phe	T.em	Sar	GUA	VVI	Clu	160	ACC
785	/181				-4-		-2-	*****		815	/191	• •••	200	261	Gry	M211	GIU	cys	Thr
CCT	TGC	AGC	CAC	TGC	AAG	AAA	AAT	CAG	GAA	TGT	ATG	AAG	CTG	TGC	CTA	CCT	CC3	CTT	CC3
Pro	Суз	Ser	His	Cys	Lys	Lys	Asn	Gln	Glu	Cvs	Met	Lvs	Leu	Cvs	Len	Pro	Pro	011	BCA Bla
845	<b>1207</b>									875	/211								
AAT	GTC	ACA	AAC	CCC	CAG	GAC	TCA	GGT	ACT	GCC	GTG	CTG	TTG	CCT	CTG	GTT	ATC	<b>ጥጥ</b> ር	CTA
Asn	val	Thr	Asn	Pro	Gln	Asp	Ser	Gly	Thr	Ala	Val	Leu	Leu	Pro	Leu	Val	Ile	Phe	T.e.11
905	/ <u>/ Z</u> Z I			•						935	/231								
GGT	CTT	TGC	CTT	TTA	TTC	TTT	ATC	TGC	ATC	AGT	CTA	CTG	TGC	CGA	TAT	CCC	CAG	TGG	AGG
GTA	rea	Cys	Leu	Leu	Phe	Phe	Ile	Cys	Ile	Ser	Leu	Leu	Cys	Arg	Tyr	Pro	Gln	Trp	Arg
703,	/ 241									995/	/251							_	•
Des	AGG	GTC	TAC	TCC	ATC	ATT	TGT	AGG	GAT	TCA	GCT	CCT	GTC	AAA	GAG	GTG	GAG	GGT	GAA
102	Arg 5/26:	val	TYE	ser	TTE	Ile	Cys	Arg	Asp	Ser	Ala	Pro	Val	Lys	Glu	Val	Glu	Gly	Glu
			ъст	***	000	000				1055	/271								
Clas	ATT	GIT	AUT	AAG		CTA	ACT	CCA	GCC	TCT	ATC	CCA	GCC	TTC	AGC	CCC	AAC	CCC	GGC
1000	5/281	AGT	THE	тÃ2	Pro	Leu	Tnr	Pro	Ala	Ser	Ile	Pro	Ala	Phe	Ser	Pro	Asn	Pro	Gly
			3 OM	000	000					1115	/291	•							_
Dho	AAC	Dun	ACT	CTG	666	TTC	AGC	ACC	ACC	CCA	CGC	TTC	AGT	CAT	CCT	GTC	TCC	agt	ACC
rne	ASII	PIO	TUL	ьeu	стА	Phe	ser	Thr	Thr	Pro	Arg	Phe	Ser	His	Pro	Val	Ser	Ser	Thr
TTAS	1/201	_								1175	/311								
Bra	TIA	AGC -	8	01C	TIC	GGT	CCT	AGT	AAC	TGG	CAC	AAC	TTC	GTG	CCA	CCT	GTA	AGA	GAG
FIO	11e 5/321	Ser	PTO	val	rne	Gly	PIO	ser	Asn	Trp	His	Asn	Phe	Val	Pro	Pro	Val	Arg	Glu
			ACC	CAG	GGm	CCm	C N C		~m~	1235	/331								
Val	Val	Pro	The	Gln	GJ 12	GCT	Jac Zes	DUT	LIC	CTC	TAC	GGA	TCC	CTC .	AAC	CCT	GTG	CCA	ATC
				J-44	3	Ala	rop.	£ 10	Leu	neu	TÄĽ	GTĀ	ser	Leu .	ASN	Pro '	Val	Pro	Ile

#### FIG. 8B

1265/341 1295/351	
CCC GCC CCT GTT CGG AAA TGG GAA GAC GTC GTC GCG GCC CAG CC	A CAA CGG CTT GAC ACT
Pro Ala Pro Val Arg Lys Trp Glu Asp Val Val Ala Ala Gln Pro	Gln Arg Leu Asp Thr
1325/361 1355/371	•
GCA GAC CCT GCG ATG CTG TAT GCT GTG GTG GAT GGC GTG CCT CCG	ACA CGC TGG AAG GAG
Ala Asp Pro Ala Met Leu Tyr Ala Val Val Asp Gly Val Pro Pro	Thr Arg Trp Lys Glu
1385/381 1415/391	
TTC ATG CGG CTC CTG GGG CTG AGC GAG CAC GAG ATC GAG CGG CTG	
Phe Met Arg Leu Leu Gly Leu Ser Glu His Glu Ile Glu Arg Leu	Glu Leu Gln Asn Gly
1445/401 1475/411	_
CGT TGC CTC CGC GAG GCT CAT TAC AGC ATG CTG GAA GCC TGG CGG	
Arg Cys Leu Arg Glu Ala His Tyr Ser Met Leu Glu Ala Trp Arg	Arg Arg Thr Pro Arg
1505/421 1535/431	
CAC GAG GCC ACG CTG GAC GTA GTG GGC CGC GTG CTT TGC GAC ATG	
His Glu Ala Thr Leu Asp Val Val Gly Arg Val Leu Cys Asp Met	: Asn Leu Arg Gly Cys
1565/441 1595/451	
CTG GAG AAC ATC CGC GAG ACT CTA GAA AGC CCT GCC CAC TCG TCC	
Leu Glu Asn Ile Arg Glu Thr Leu Glu Ser Pro Ala His Ser Ser	Thr Thr His Leu Pro
1625/461	
CGA TAA	
Arg Stop	
GGCCACACCC CCACCTCAGG AACGGGACTC GAAGGACCAT CCTG	
GCCCTGCTTC CCTGTGAACC TCCTCTTTGG TCCTCTAGGG GGCAGGCTCG ATCT	
CTCGATCTGG CAGCCACTTC CTTGGTGCTA CCGACTTGGT GTACATAGCT TTTC	
GCCGAGGACA GCCTGTGCCA GCCACTTGTG CATGGCAGGG AAGTGTGCCA TCTG	
GACAGCTGAG GGTGCCAAAA GCCAGGAGAG GTGATTGTGG AGAAAAAGCA CAAT	
GATACCCACT TGGGATGCAA GGACCCAAAC AAAGCTTCTC AGGGCCTCCT CAGT	
CTGGGCCCTT TTCACAGTAG ATAAAACAGT CTTTGTATTG ATTATATCAC ACTA	
GAACGGTTGA ACTCCCTAAG GTAGGGGCAA GCACAGAACA GTGGGGTCTC CAGC CCCCGACTCT TGTAAATACA CTAAAAATCT AAAAGTGAAA AAAAAAAAAA	
LCCCGACTCT TGTAAATACA CTAAAAATCT AAAAGTGAAA AAAAAAAAAA	AAAAAAA 2100

#### FIG. 9A

huTNF-R

GAATTCTCTG (CCGTGATCTC CTGGACAGAC (AATGGGGGAG	ratgo Cgago	CCCG	AG T	CTCA AAGC	ACCO	T CA	ACTO	TCAC	CCC	AAGG	CAC	TTGG	GACG	TC	12 18		
213/1									/11								
ATG GGC CTC	TCC	ACC	GTG	CCT	GAC	CTG	CTG	CTG	CCA	CTG	GTG	CTC	CTG	GAG	CTG	TTG	GTG
Met Gly Leu 273/21								303	/31								_
GGA ATA TAC	CCC	TCA	GGG	GTT	ATT	GGA	CTG	GTC	CCT	CAC	CTA	GGG	GAC	AGG	GAG	AAG	AGA
Gly Ile Tyr 333/41								363	/51							_	-
GAT AGT GTG	TGT	CCC	CAA	GGA	AAA	TAT	ATC	CAC	CCT	CAA	AAT	AAT	TCG	ATT	TGC	TGI	ACC
Asp Ser Val 393/61								423	/71						_	_	
AAG TGC CAC	AAA	GGA	ACC	TAC	TTG	TAC	AAT	GAC	TGT	CCA	GGC	CCG	GGG	CAG	GAT	ACG	GAC
Lys Cys His 453/81	Lys	Gly	Thr	Tyr	Leu	Туг	Asn	Asp 483	Cys /91	Pro	Gly	Pro	Gly	Gln	Asp	Thr	Asp
TGC AGG GAG	TGT	GAG	AGC	GGC	TCC	TTC	ACC	GCT	TCA	GAA	AAC	CAC	CTC	AGA	CAC	TGC	CTC
Cys Arg Glu 513/101								543	/111					_		•	
AGC TGC TCC	AAA	TGC	CGA	AAG	GAA	ATG	GGI	CAG	GTG	GAG	ATC	TCT	TCT	TGC	ACA	GTG	GAC
Ser Cys Ser 573/121								603	/131								•
CGG GAC ACC	GTG	TGT	GGC	TGC	AGG	AAG	AAC	CAG	TAC	CGG	CAT	TAT	TGG	AGT	GAA	AAC	CTT
Arg Asp Thr 633/141								663	/151				_				
TTC CAG TGC	TTC	AAT	TGC	AGC	CTC	TGC	CTC	AAT	GGG	ACC	GTG	CAC	CTC	TCC	TGC	CAG	GAG
Phe Gln Cys 693/161								723	/171						_		
AAA CAG AAC	ACC	GTG	TGC	ACC	TGC	CAT	GCA	GGT	TTC	TTT	CTA	AGA	GAA	AAC	GAG	TGT	GTC
Lys Gln Asn 753/181								783	/191			_				_	
TCC TGT AGT	AAC	TGT	AAG	AAA	AGC	CTG	GAG	TGC	ACG	AAG	TTG	TGC	CTA	CCC	CAG	ATT	GAG
Ser Cys Ser 813/201								843	211								
AAT GTT AAG	GGC .	ACT Th∽	GAG	GAC	TCA	GGC	ACC	ACA	GTG	CTG	TTG	CCC	CTG	GTC	ATT	TTC	TTT
Asn Val Lys 873/221								903/	231			•					
GGT CTT TGC	CII :	TIA	TCC Co-	CTC	CTC	TTC	ATT	GGT	TTA	ATG	TAT	CGC	TAC	CAA	CGG	TGG	AAG
Gly Leu Cys : 933/241								963/	251								
TCC AAG CTC Ser Lys Leu	Tur !	ser	Tla	Ual Val	Cue	Glu	Tare	TCG Cor	The	Dea	GAA	AAA	GAG	GGG	GAG	CTT	GAA
993/261								1023	/271					_			
GGA ACT ACT	nul /	AAG (	000	CTG Zana	GCC	CCA	AAC	CCA	AGC	TTC	AGT	CCC	ACT	CCA	GGC	TTC	ACC
Gly Thr Thr ! 1053/281								1083	/291						_		
CCC ACC CTG	GGC 1	TTC 2	AGT	CCC	GTG	CCC	AGT	TCC	ACC	TTC	ACC	TCC	AGC	TCC	ACC	TAT	ACC
Pro Thr Leu ( 1113/301	ily E	he :	Ser	Pro	Val	Pro	Ser	Ser 1143			Thr	Ser	Ser	Ser	Thr	Tyr	Thr
CCC GGT GAC :	rgt C	CCC 2	AAC	TTT	GCG	GCT	CCC	CGC	AGA	GAG	GTG	GCA	CCA	CCC	TAT	CAG	GGG
Pro Gly Asp ( 1173/321	Cys F	Pro 1	Asn :	Phe	Ala	Ala	Pro	Arg 1203	Arg /331	Glu	Val	Ala	Pro	Pro	Tyr	Gln	Gly
GCT GAC CCC /	ATC C	TT (	GCG .	ACA	GCC	CTC	GCC	TCC	GAC	CCC	ATC	CCC	AAC	CCC	CTT	CAG	AAG
Ala Asp Pro 1	le I	eu A	Ala '	Thr	Ala	Leu	Ala	Ser	Asp	Pro	Ile	Pro .	Asn	Pro	Leu	Gln	Lys

#### FIG. 9B

1233/341 1263/351	
TGG GAG GAC AGC GCC CAC AAG CCA CAG AGC CTA GAC ACT GAT GAC CCC GCG	ACG CTG TAC
Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp Thr Asp Asp Pro Ala	
1293/361 1323/371	-
GCC GTG GTG GAG AAC GTG CCC CCG TTG CGC TGG AAG GAA TTC GTG CGC CGC	
Ala Val Val Glu Asn Val Pro Pro Leu Arg Trp Lys Glu Phe Val Arg Arg	Leu Gly Leu
1353/381 1383/391	
AGC GAC CAC GAG ATC GAT CGG CTG GAG CTG CAG AAC GGG CGC TGC CTG CGC	
Ser Asp His Glu Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg	Glu Ala Gln
1413/401 1443/411	
TAC AGC ATG CTG GCG ACC TGG AGG CGG CGC ACG CGG CGC GAG GCC ACG	
Tyr Ser Met Leu Ala Thr Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala Thr	Leu Glu Leu
1473/421 1503/431	
CTG GGA CGC GTG CTC CGC GAC ATG GAC CTG CTG GGC TGC CTG GAG GAC ATC	
Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly Cys Leu Glu Asp Ile	Glu Glu Ala
1533/441 1563/451	
CTT TGC GGC CCC GCC CTC CCG CCC GCG CCC AGT CTT CTC AGA TGA	1580
Leu Cys Gly Pro Ala Ala Leu Pro Pro Ala Pro Ser Leu Leu Arg Stop	•
GGCTGCGCCC CTGCGGGCAG CTCTAAGGAC CGTCCTGCGA 1620	
GATCGCCTTC CAACCCCACT TTTTTCTGGA AAGGAGGGGT CCTGCAGGGG CAAGCAGGAG	1680
CTAGCAGCCG CCTACTTGGT GCTAACCCCT CGATGTACAT AGCTTTTCTC AGCTGCCTGC	1740
GCGCCGCCGA CAGTCAGCGC TGTGCGCGCG GAGAGAGGTG CGCCGTGGGC TCAAGAGCCT	1800
GAGTGGGTGG TTTGCGAGGA TGAGGGGACGC TATGCCTCAT GCCCGTTTTG GGTGTCCTCA	1860
CCAGCAAGGC TGCTCGGGGG CCCCTGGTTC GTCCCTGAGC CTTTTTCACA GTGCATAAGC	1920
AGTITITIT GITTITGITI TGTTTTGTTT TGTTTTTAAA TCAATCATGT TACACTAATA	1980
GAAACTTGGC ACTCCTGTGC CCTCTGCCTG GACAAGCACA TAGCAAGCTG AACTGTCCTA	2040
AGGCAGGGC GAGCACGGAA CAATGGGGCC TTCAGCTGGA GCTGTGGACT TTTGTACATA	2100
CACTAAAATT CTGAAGTTAA AAAAAAAAA AAAAGGAATT C	2141

